

NAPG, 1-312aa, Human, His tag, E.coli

Cat.NO.: TP03095

3th Edition

Synonyms:Gamma-soluble NSF attachment protein, GAMMA-SNAP.

Description:NAPG, also known as gamma-SNAP, is a cytoplasmic protein that binds to a membrane receptor complex composed of VAMP, SNAP25 and syntaxin. It mediates the membrane binding of NSF, which is essential for membrane fusion reactions. An additional protein designated synaptophysin may regulate exocytosis by competing with SNAP25 and syntaxins for VAMP binding.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:37.3 kDa(336aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMAAQKINEGLEHLAKAEKYLKTGFLKWKPDYDSAASEYGKAAVAFKNAKQ
FEQAKDACLREAVAHENNRALFHAAKAYEQAGMMLKEMQKLPEAVQLIEKASMMYLENGTPDTAAMALERAGKLI
ENVDPKAVQLYQQTANVFENEERLRQAVELLGKASRLVVRGRFDEAALS IQKEKNIYKEIENYPTCYKKTIAQVLV
HLHRNDYVAAERCVRESYSIPGFNGSEDCAALEQLLEGYDQQDQDQVSDVCNSPLFKYMDNDYAKLGLSLVVP
GGIKKKSPATPQAKPDGVTATAADEEEDEYSGGLC

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.